

EXHIBIT B



seq listing.ST25.txt
SEQUENCE LISTING

<110> Shuman, Stewart
Sekiguchi, Tadashi
Comiskey, John
Fernandez, Joseph
Hoeffler, James
Marcil, Robert

<120> Topoisomerase-Based Reagents and Methods for Molecular Cloning

<130> 1784/53661-AA

<140> 10/666,486

<141> 2003-09-19

<160> 45

<170> PatentIn version 3.3

<210> 1

<211> 5

<212> DNA

<213> artificial

<220>

<223> topoisomerase binding sequence

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ccctt 5

<210> 2

<211> 5

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<220>

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<222> (1)..(1)

<223> n=T or C

<400> 2

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<210> 3

<211> 18

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<220>

<223> proximal 18-mer DNA strand

<400> 3

catatccgtg tcgccctt 18

<210> 4

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<211> 18
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<400> 4
attccgatag tgactaca                                     18

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cgtgtcgccc tt                                           12

<210> 7
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<220>
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<210> 8
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<220>
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attccgatag tgactaca                                     18

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auuccgauag ugacuaca 18

<210> 10
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<220>
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<400> 10
gctccagctt ttgttcccaa gggcgacacg 30

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<220>
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ttccgatagt gactaca 17

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<210> 14

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<210> 15
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<220>
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<210> 16
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<210> 17
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<210> 18
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seq listing.ST25.txt

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<400> 21
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<400> 24
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<210> 25
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<220>
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<400> 25
aacatatccg tgtcgccctt 20

<210> 26
<211> 30
<212> RNA
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<220>
<223> 5' single-strand tail of donor duplex

<400> 26
gggcgaauug gguaccgggc cccccucga 30

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<220>
<223> 50-mer religation product

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seq listing.ST25.txt

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<400> 30
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<400> 31
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<210> 32
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<220>
<223> 16-mer proximal RNA strand sequence

<400> 32
cauauccgug ucccuu 16

<210> 33
<211> 18
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<220>
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seq listing.ST25.txt

<400> 33 auuccgauag ugacuaca	18
<210> 34 <211> 5 <212> RNA <213> artificial	
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<400> 34 cccuu	5
<210> 35 <211> 5 <212> DNA <213> artificial	
<220> <223> 5-nucleotide leaving group	
<400> 35 attcc	5
<210> 36 <211> 30 <212> DNA <213> artificial	
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<400> 36 cgtgtcgccc ttauuccgau agugacuaca	30
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<400> 38 attccc	6

seq listing.ST25.txt

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<210> 39
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<220>
<223> 96 base DNA-tagged RNA sequence

<400> 39
gggagaccca agctcgcccg gttctttttg tcaagaccga cctgtccggt gccctgaatg      60
aactgcagga cgaggcagcg cggctatcgt ggctgg                                96

<210> 40
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<400> 40
gttttggtc ccatatacga ctgccccttn ttccgatagt g                          41

<210> 41
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<211> 11
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seq listing.ST25.txt

<210> 43
<211> 16
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<220>
<223> amplified cDNA sequence 1

<400> 43
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16

<210> 44
<211> 19
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<220>
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<400> 44
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19

<210> 45
<211> 18
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<220>
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18